

KÖSTER SB-Bonding Emulsion “Concentrate”

Technical guideline / Article number **2.11**
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Elastifying synthetic-dispersion for universal use in mortars, plasters, sealing slurries and concrete

Features

KÖSTER SB Bonding Emulsion “Concentrate” is a universally usable synthetic liquid for all cementitious mortars, plasters and sealing slurries. KÖSTER SB Bonding Emulsion “Concentrate” is solvent, plasticizer and filler-free. When added to mineral systems, the synthetic liquid increases elasticity and flexibility and reduces water absorption.

KÖSTER SB Bonding Emulsion “Concentrate” is waterproof which means that after its application it can neither be washed nor rained off.

Technical data (of the pure synthetic liquid material)

Dry matter content	approx. 44 ± 1 %
pH-value	10.5 – 11.5
Viscosity	approx. 120 mPa.s
Specific gravity	approx. 1.00
Elongation at break	approx. 700 %
Breaking load	approx. 4.0 N / mm ²
Application temperature	+ 2 °C to + 35 °C

Field of application

KÖSTER SB-Bonding Emulsion “Concentrate” can be used in all cases in which a good bonding between mortars, plasters, sealing slurries, concrete and existing mineral substrates has to be achieved. As an additive to mineral systems, the synthetic additive causes a strong increase in flexibility and elasticity and at the same time a reduction of the water absorption. Due to the synthetic additive, cured mortars and plasters become considerably more resistant to frost, salts and other aggressive substances. Besides that, KÖSTER SB-Bonding Emulsion “Concentrate” improves the application properties of fresh mortars.

Substrate preparation

Remove dust and loose particles. Oil polluted and very dirty substrates have to be cleaned using suited cleaning agents and residues have to be rinsed off. If necessary, the substrate has to

be sand or shot blasted. Avoid standing water on pre-wetted substrates.

Application

1. Additive to mortars, plasters, NB-Sealing Slurries and concrete

Add 10 - 20 % of KÖSTER SB-Bonding Emulsion “Concentrate” to the mixing water.

2. Cementitious bonding bridge

Mix KÖSTER SB-Bonding Emulsion “Concentrate” with water 1:2. Use this mixture to produce a slurry by mixing it with a cement / sand mixture (1:2). Apply the slurry with a firm brush. Plasters and screeds are applied fresh on fresh. If used as bonding bridge for sealing materials, a curing time of 24 hours has to be observed.

Consumption

per kg slurry	approx. 25 – 50 g
per kg mortar	approx. 15 – 30 g
as cementitious bonding bridge	approx. 200 g / m ²

Cleaning of tools

Immediately after use with water

Packaging

30 kg, 10 kg and 5 kg jerry can

Storage

In a cool and frost-free place, the material can be stored for approx. 2 years.

Safety

Avoid eye contact (wear protective goggles).

Technical guidelines cited

KÖSTER NB 1 Grey	Art. No. 3.021
KÖSTER NB 2 White	Art. No. 3.022

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.